

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/525,955A  
Source: PCR  
Date Processed by STIC: 3/3/06

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 03/03/2006

PATENT APPLICATION: US/10/525,955A

TIME: 13:03:38

Input Set : A:\3652-50 Sequence Listing.txt

Output Set: N:\CRF4\03032006\J525955A.raw

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3 <110> APPLICANT: Rehm, Bernd H.A.
5 <120> TITLE OF INVENTION: Method for producing biodegradable, functionalised, polymer
6   particles, and use of the same as medicament carriers
8 <130> FILE REFERENCE: P510596
10 <140> CURRENT APPLICATION NUMBER: US/10/525,955A
11 <141> CURRENT FILING DATE: 2005-02-28
13 <150> PRIOR APPLICATION NUMBER: PCT/DE03/002799
14 <151> PRIOR FILING DATE: 2003-08-22
16 <150> PRIOR APPLICATION NUMBER: DE 102 40 034.0
17 <151> PRIOR FILING DATE: 2002-08-30
19 <160> NUMBER OF SEQ ID NOS: 15
21 <170> SOFTWARE: PatentIn version 3.3
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 29
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
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29 <223> OTHER INFORMATION: Primer
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36 <211> LENGTH: 33
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38 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Primer
43 <400> SEQUENCE: 2
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48 <211> LENGTH: 708
49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Sequence contains phaP-coding DNA from R. eutropha
55 <400> SEQUENCE: 3
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58 acgctgttcg gcctgaccac caaggcggtt gaaggcgctc aaaagctcgt cgagctgaac       120
60 ctgcaggtcg tcaagacttc gttcgagaaa ggcgttgaca acgccaagaa ggcgctgtcg       180
62 gccaaggacg cacaggaact gctggccatc caggccgcag ccgtgcagcc gggtgccgaa       240
64 aagaccctgg cctacaccgg ccacctgtat gaaatcgctt cggaaaccca gagcgagttc       300
66 accaaggtag ccgaggctca actggccgaa ggctcgaaga acgtgcaagc gctggtcgag       360
68 aacctcgcca agaacgcccc ggccgggttc gaatcgaccg tggccatcgt gaagtcggcg       420
70 atctccgctg ccaacaacgc ctacgagtcg gtgcagaagg cgaccaagca agcggtcgaa       480

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74 agcgccacgg cccgtacggc cacggcaaaag aagacgacgg ctgcctgata actgcctgcg 600
76 ttgaagatgg accggctgcg gccgggtccgt tggcaaaagca tatcgacgcc tggcgtttgc 660
78 ggtgtgtttt gccaacgatg aaggtagtgc cctgaggatc cggccttt 708
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82 <211> LENGTH: 34
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Primer
89 <400> SEQUENCE: 4
90 aaagggccat ggctggcaag aagaattccg agaa 34
93 <210> SEQ ID NO: 5
94 <211> LENGTH: 39
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Primer
101 <400> SEQUENCE: 5
102 aaagggggat cctcagatca ggggtaccgg gcctgtctg 39
105 <210> SEQ ID NO: 6
106 <211> LENGTH: 793
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Sequence contains phaF-coding DNA from P. oleovorans
113 <400> SEQUENCE: 6
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116 tcgagaagta ctcccgcgaag atctggctgg cggggcttgg tatctattcg aagatcgacc 120
118 aggacggccc gaagctgttc gactcgctgg taaaggatgg cgagaaggcc gagaaacagg 180
120 cgaagaagac cgcagaagat gttgctgaaa ctgccaaagtc gtcgaccact tcgcgtgtgt 240
122 cgggcgtgaa ggaccgtgcg ctaggcaagt ggagcgaact cgaagaggcc ttcgacaagc 300
124 gcctgaacag tgccatctcg cgccttggcg tgccgagccg caacgagatc aaggccctgc 360
126 accagcaggt ggacagcctg accaagcaga tcgagaaact caccggcgct tcggttacct 420
128 cgatttcgtc gcgcactgca gccaaaccgg ctgcgagcaa ggcggcggcc aagccactgg 480
130 ccaagacggc agcggccaag cctgcgggcaa aaaccgcggc agccaagccg gcagccaagg 540
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134 cggccaaaacc ggctgtggcg aagaagcctg cagtgaagaa agcaccggcc aagccggcag 660
136 ccgccaagcc ggcagctcca gcggccagcg ccgctccggc cgctagcgca gttcggcgcc 720
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144 <211> LENGTH: 54
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Primer
151 <400> SEQUENCE: 7
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155 <210> SEQ ID NO: 8
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158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Primer
163 <400> SEQUENCE: 8
164 aaacgcggat ctttttcac gttcatgca 29
167 <210> SEQ ID NO: 9
168 <211> LENGTH: 1722
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Sequence contains the DNA coding for PhaC1 from P.
aeruginosa
175 <400> SEQUENCE: 9
176 gggctctaga aataaggaga tatacatatg tggttgaaga acaataacga gcttcccaag 60
178 caagccgcgg aaaacacgct gaacctgaat ccggtgatcg gcatccgggg caaggacctg 120
180 ctcacgtccg cgcgcatggt cctgctccag gcggtgcgcc agcgcgtgca cagcgccagg 180
182 cagctgycgc atttcagcct ggagctgaag aacgtcctgc tcggccagtc ggagctacgc 240
184 ccaggcgatg acgaccgacg cttttccgat ccggcctgga gccagaatcc actgtacaag 300
186 cgctacatgc agacctacct ggccctggcg aaggagctgc acagctggat cagccacagc 360
188 gacctgtcgc cgcaggacat cagtcgtggc cagttcgtca tcaacctgct gaccgaggcg 420
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196 ggcgccgtgg tgttcgcgaa cgacgtgctg gaactgatcc agtaccggcc gatcaccgag 660
198 tcggtgcacg aacgcccgtg gctgggtggg ccgccgcaga tcaacaagtt ctacgtcttc 720
200 gacctgtcgc cggacaagag cctggcgcg cttctgctgc gcaacggcgt gcagaccttc 780
202 atcgtcagtt ggcgcaaccc gaccaagtgc cagcgcgaat ggggcctgac cacctatatc 840
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206 ctctcggcg cctgctccgg cgggatcacc accgcgaccc tggtcggcca ctacgtggcc 960
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216 ttcgacatcc tctactggaa caacgacacc acgcgcctgc ccgccgcgct gcacggcgag 1260
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222 cacatcacc cctgggagtc gtgctacaag tcggccaggc tgctgggtgg caagtgcgag 1440
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226 gcacgcttca tgaccaatcc ggaactgccc gccgagccca aggcctggct ggaacaggcc 1560
228 ggcaagcacg ccgactcgtg gtggttgcac tggcagcaat ggctggccga acgctccggc 1620
230 aagaccgca aggcgcccgc cagcctgggc aacaagacct atccggccgg cgaagccgcg 1680
232 cccggaacct acgtgcatga acgatgaaaa ggatccgcgt tt 1722
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236 <211> LENGTH: 36
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:

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241 <223> OTHER INFORMATION: Primer
243 <400> SEQUENCE: 10
244 tatgactagt gattataaaag atgatgatga taaaca 36
247 <210> SEQ ID NO: 11
248 <211> LENGTH: 36
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Primer
255 <400> SEQUENCE: 11
256 tatgtttatc atcatcatct ttataatcac tagtca 36
259 <210> SEQ ID NO: 12
260 <211> LENGTH: 1716
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Sequence contains the DNA coding for PhaC1 from P.
aeruginosa and
266 the DNA coding for a FLAG epitope
268 <400> SEQUENCE: 12
269 atgactagtg attataaaga tgatgatgat aaacatatga gtcagaagaa caataacgag 60
271 cttcccaagc aagccgcgga aaacacgctg aacctgaatc cggatgatcg catccggggc 120
273 aaggacctgc tcacctccgc gcgcatggtc ctgctccagg cggatgcgca gccgctgcac 180
275 agcgccaggc acgtggcgca tttcagcctg gagctgaaga acgtcctgct cggccagtcg 240
277 gagctacgcc caggcgatga cgaccgacgc ttttccgatc cggcctggag ccagaatcca 300
279 ctgtacaagc gctacatgca gacctacctg gcctggcgca aggagctgca cagctggatc 360
281 agccacagcg acctgtcgcc gcaggacatc agtcgtggcc agttcgtcac caacctgctg 420
283 accgaggcga tgtcgccgac caacagcctg agcaacccgg cggcggtaaa gcgcttcttc 480
285 gagaccggcg gcaagagcct gctggacggc ctcgccacc tggccaagga cctggtgaac 540
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289 accaccgagg gcgccgtggt gttccgcaac gacgtgctgg aactgatcca gtaccggccg 660
291 atcaccgagt cggatgcacga acgcccgtg ctgggtggtg cggcgagat caacaagttc 720
293 tacgtcttcg acctgtcgcc ggacaagagc ctggcgcgct tctgcctgcg caacggcgtg 780
295 cagaccttca tcgtcagttg gcgcaacccg accaagtgcg agcgcgaaat gggcctgacc 840
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299 gacctcaacc tctcgcgcg ctgctccggc gggatcacca ccgcgaccct ggtcggccac 960
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307 atgcgcccc aagacctgat ctggaactac tgggtcaaca actacctgct cggcaaccag 1200
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323 cgctccggca agaccgcaa ggcgccgcc agcctgggca acaagaccta tccggccggc 1680
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329 <211> LENGTH: 34
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Primer
336 <400> SEQUENCE: 13
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340 <210> SEQ ID NO: 14
341 <211> LENGTH: 41
342 <212> TYPE: DNA
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
346 <223> OTHER INFORMATION: Primer
348 <400> SEQUENCE: 14
349 ccactagttt tttgacacca gaccaactgg taatggtagc g                                     41
352 <210> SEQ ID NO: 15
353 <211> LENGTH: 3088
354 <212> TYPE: DNA
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: Sequence contains the lac-Z gene from E. coli
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363 aaaaccctgg cgttacccaa cttaatcgcc ttgcagcaca tccccctttc gccagctggc      120
365 gtaatagcga agaggcccg accgatcgcc cttcccaaca gttgcgcagc ctgaatggcg      180
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411 atattatttg cccgatgtac gcgcgcgtgg atgaagacca gcccttcccc gctgtgccga     1560
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